

## ASSIGNMENT 2

Textbook Assignment: "Electronics Safety," chapter 3, pages 3-8 through 3-15; "Hazardous Materials," chapter 4, pages 4-1 through 4-9; and "Ammunition Safety, Handling, Shipping, and Stowing," chapter 5, pages 5-1 through 5-18.

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- 2-1. Which of the following is not a responsibility of an authorizing officer for tag-outs?
  1. Maintaining tag-out logs
  2. Performing tag-out training
  3. Signing and issuing tags and tag-out record sheets
  4. Clearing completed tag-out sheets from the tag-out log
- 2-2. As a Fire Controlman, how many different tag-out documents are you likely to use in your routine duties?
  1. One
  2. Two
  3. Three
  4. Five
- 2-3. Which of the following forms is an OUT-OF-COMMISSION label?
  1. NAVSHIPS 9890/5
  2. NAVSHIPS 9890/6
  3. NAVSHIPS 9890/7
  4. NAVSHIPS 9890/8
- 2-4. Which of the following definitions best describes a tag-out log?
  1. A custody log of temporary tag-out actions
  2. A temporary log of expected tag-out actions
  3. A permanent log of authorized tag-out actions
  4. A legally binding log of temporary, expected, and authorized tag-out actions
- 2-5. What section of the tag-out log contains a Record of Audits?
  1. Section 1
  2. Section 2
  3. Section 3
  4. Section 4
- 2-6. Section 3 of the tag-out log contains what forms?
  1. The tag-out index
  2. A record of audits
  3. DANGER/CAUTION tag-out record sheets
  4. An equipment tag-out bill
- 2-7. What tag should you use to give temporary special instructions to someone operating that tagged equipment?
  1. OUT-OF-CALIBRATION
  2. OUT-OF-COMMISSION
  3. CAUTION
  4. DANGER
- 2-8. If there is a chance someone could be hurt or an equipment could be damaged under normal operations, you should tag out the equipment with what type of tag?
  1. DANGER
  2. CAUTION
  3. OUT-OF-COMMISSION
  4. OUT-OF-CALIBRATION
- 2-9. An equipment may be operated when it is tagged with a DANGER tag if a co-worker says it is okay.
  1. True
  2. False
- 2-10. Before you tag out equipment, which of the following individuals must sign the authorization?
  1. The department head
  2. The division officer
  3. Your supervisor
  4. All of the above
- 2-11. Electrical safety shoes are designed to protect you from what maximum voltage?
  1. 300 volts
  2. 440 volts
  3. 600 volts
  4. 800 volts

- 2-12. There are four classes of rubber gloves. Which class is not approved for working with 850 volts?
1. I
  2. II
  3. III
  4. 0
- 2-13. What is the recommended way to discharge a high-value capacitor?
1. Turn the equipment off
  2. Turn the equipment on
  3. Use a shorting probe
  4. Use a multimeter
- 2-14. Which of the following statements is true concerning eye protection equipment?
1. It is an option in hazardous areas
  2. It is not required when walking round eye hazardous activities
  3. It should be stored properly
  4. It is not always required in hazardous areas
- 2-15. You must use hearing protection when you enter a space where the noise exceeds what level?
1. 54 decibels
  2. 64 decibels
  3. 74 decibels
  4. 84 decibels
- 2-16. You need respiratory protection when you perform all but which of the following operations?
1. Cleaning circuit cards with spray solvents
  2. Priming or painting antenna bases
  3. Chipping chromate-based paints while removing corrosion
  4. Repainting equipment when working in the open air
- 2-17. Rubber matting should be rated for use in work areas where the voltages will NOT exceed what value?
1. 2,000 volts
  2. 3,000 volts
  3. 4,000 volts
  4. 6,000 volts
- 2-18. Hazardous materials are substances that pose a threat to human health or the environment when used incorrectly or spilled accidentally.
1. True
  2. False
- 2-19. Each hazardous material label must provide all but which of the following information?
1. Name of the material
  2. Name of the transporting agent
  3. Name and address of the manufacturer
  4. The nature of the hazard(s), including the target organ affected by the material
- 2-20. Material Safety Data Sheets (MSDSs) are provided in which of the following formats in the Navy?
1. On CD-ROM only
  2. In printed publication only
  3. On floppy diskette only
  4. On the Internet only
- 2-21. Which of the following information will you find on an MSDS?
1. Manufacturer's name
  2. Expiration date
  3. Container labeling
  4. Fire and explosion hazard data
- 2-22. What is the relationship between the *Hazardous Material User's Guide (HMUG)* and MSDSs?
1. The HMUG supercedes the MSDSs
  2. The HMUG supplements the MSDSs
  3. The HMUG replaces the MSDSs
  4. The HMUG clarifies the MSDSs
- 2-23. The *Hazardous Material User's Guide (HMUG)* includes guidance for which of the following items?
1. Ammunition
  2. Medical/pharmaceutical supplies
  3. Propellants
  4. Solvents
- 2-24. How many sizes of labeling for hazardous material does the Department of Defense use?
1. One
  2. Two
  3. Three
  4. Four

- 2-25. Which of the following solvents will NOT ignite at a relatively low temperature?
1. Varnishes
  2. Lacquers
  3. Water-based cleaning fluids
  4. Paints
- 2-26. When you are using hazardous paints or solvents, which of the following safety precautions should you follow?
1. Have a repair team standing by
  2. Have fire-fighting equipment near by
  3. Dispose of paints and solvents when you no longer need them
  4. Both 2 and 3 above
- 2-27. When you use aerosol containers, which of the following basic safety rules should you follow?
1. Keep them away from heat sources
  2. If their contents are paint or solvents, do not spray them on your skin
  3. Never dent or puncture them
  4. All of the above
- 2-28. Which of the following is a favorable property of polychlorinated biphenyls (PCBs)?
1. High heat capacity
  2. High flammability
  3. High vapor pressure
  4. High electrical conductivity
- 2-29. Polychlorinated biphenyls (PCBs) are used for which of the following purposes?
1. As insulators in electrical equipment
  2. As coolants in electrical equipment
  3. As fluid in a totally enclosed heat transfer system
  4. All of the above
- 2-30. What NAVSEA publication is a management guide for PCBs?
1. S9593-A1-MAN-010
  2. S9593-A2-MAN-010
  3. S9593-A1-MAN-020
  4. S9593-A2-MAN-020
- 2-31. A battery is a group of cells that provides which of the following types of electrical power?
1. Direct current only
  2. Alternating current only
  3. Direct and alternating current
  4. Direct or alternating current
- 2-32. What is the difference between the carbon-zinc battery and the manganese-dioxide alkaline battery?
1. The outer container
  2. The inner container
  3. The electrolyte used
  4. The carbon-centered electrode
- 2-33. Which of the following batteries can best be described as a high-energy, long-lasting battery with a longer shelf life than most other batteries?
1. Lithium
  2. Nickel-cadmium
  3. Carbon-zinc
  4. Manganese-dioxide alkaline
- 2-34. Which of the following safety precautions does NOT apply to lithium batteries?
1. Always observe polarity when you install them
  2. Always leave them in equipment for long periods to protect them
  3. Never throw them away in daily trash
  4. Use only the batteries that are approved for use in your equipment
- 2-35. Which of the following types of batteries is used mostly in cordless, rechargeable equipment?
1. Alkaline
  2. Lithium
  3. NICAD
  4. Carbon
- 2-36. Which of the following types of batteries should always be charged in series, never in parallel?
1. NICAD
  2. Lithium
  3. Carbon zinc
  4. Manganese dioxide

- 2-37. A cathode ray tube (CRT) is a type of vacuum tube.
1. True
  2. False
- 2-38. Which of the following equipment is associated with cathode ray tubes (CRTs)?
1. Electronic warfare systems
  2. Radars
  3. Computers
  4. All of the above
- 2-39. Excess stress on an electron tube's glass envelope may cause which of the following actions?
1. Explosion
  2. Implosion
  3. Ionization
  4. Neutralization
- 2-40. Which of the following hazards is/are associated with an energized cathode ray tube (CRT)?
1. Shock hazard from high voltage
  2. X-ray emissions
  3. Both 1 and 2 above
  4. Excess magnetic energy
- 2-41. Which of the following precautions applies to the handling of a CRT?
1. Be careful when touching a CRT's phosphor coating
  2. Always use gloves when lifting a CRT by its neck
  3. Follow the manufacturer's handling instructions
  4. Keep a firm grasp on the CRT when installing it from the front
- 2-42. When you dispose of a CRT locally, you should follow the procedures prescribed by which of the following persons?
1. Your supervisor
  2. The safety officer
  3. The executive officer
  4. The commanding officer
- 2-43. Which of the following chapters of the *Naval Ships' Technical Manual (NSTM)* describes procedures for the stowage, handling, and disposal of consumables?
1. 400
  2. 440
  3. 660
  4. 670
- 2-44. Most accidents result from not applying proper safety principles and can be prevented.
1. True
  2. False
- 2-45. Which of the following OPNAV instructions explains qualification and certification for supervisors of ammunition handling?
1. 8023.1
  2. 8023.2
  3. 8032.1
  4. 8032.2
- 2-46. Which of the following safety terms has the force of an order and must be obeyed?
1. Should
  2. May
  3. Shall
  4. Can
- 2-47. Hazards that can cause personal injury are indicated in notes by which of the following terms?
1. DANGER
  2. CAUTION
  3. Note
  4. WARNING
- 2-48. Situations that can cause potential damage to equipment are indicated in notes using which of the following terms?
1. DANGER
  2. CAUTION
  3. WARNING
  4. Advisory
- 2-49. Where is the safety summary located in most operation procedures (OPs)?
1. In an appendix
  2. In the front pages
  3. In an index
  4. In a glossary

- 2-50. The purpose of the Explosives Handling Personnel Qualification and Certification Program is to ensure that each person is qualified and certified before performing any task involving explosives.
1. True
  2. False
- 2-51. Which of the following personnel may be exempt from personal or team qualification for handling explosives?
1. Security personnel
  2. Personnel on watch
  3. Working parties
  4. All of the above
- 2-52. Who is responsible for appointing a certification board for the handling, shipping, and stowing of explosives for your command?
1. TYCOM
  2. Commanding officer
  3. Officer of the deck
  4. Safety officer
- 2-53. Who can authorize a waiver for the PO1 requirement on a certification board?
1. TYCOM
  2. Commanding officer
  3. Officer of the deck
  4. Safety officer
- 2-54. Which of the following circumstances will result in revocation of certification for ammunition handling?
1. Failure to follow authorized procedures
  2. Flagrant disregard of safety procedures
  3. Reckless operation of handling equipment
  4. All of the above
- 2-55. Who has the discretion for accepting a transfer of certification for ammunition handling?
1. The commanding officer of the sending command
  2. The safety officer of the sending command
  3. The commanding officer of the receiving command
  4. The safety officer of the receiving command
- 2-56. Which of the following statements concerning weapons-handling equipment is true?
1. As a team member, you will normally use only one type of handling equipment.
  2. Each weapon can be handled with a "one-size-fits-all" piece of handling equipment
  3. You should consult the applicable OP to ensure you have the right handling equipment
  4. A good forklift driver can move weapons without using handling equipment
- 2-57. The transfer of ammunition from a weapons station to your ship is considered what type of handling evolution?
1. Logistics movement
  2. Strike up
  3. Strike down
  4. Maintenance movement
- 2-58. A magazine area includes all compartments, spaces, or passages next to or surrounding a magazine.
1. True
  2. False
- 2-59. Which of the following documents gives guidance for mixed-stowage of ammunition afloat?
1. NAVSEA OP 4
  2. NAVSEA OP 5
  3. NAVSEA SW020-AC-SAF-010
  4. NAVSEA SW020-AC-SAF-020
- 2-60. How many major types of magazines are there?
1. Three
  2. Four
  3. Five
  4. Six
- 2-61. Which of the following is a characteristic of a primary magazine?
1. Located below the ship's waterline
  2. Contains various hydraulically powered equipment
  3. Located near a missile launcher
  4. Located on the ship's weather deck

- 2-62. Which of the following magazines normally stow a ship's wartime allowance of ammunition?
1. Primary and chemical
  2. Missile and ready-service
  3. Ready-service and locker
  4. Primary and ready-service
- 2-63. Missile magazines are sometimes considered what type of magazine?
1. Primary
  2. Ready-service
  3. Locker
  4. Chemical
- 2-64. Which of the following statements is true about all magazine types?
1. They are insulated
  2. They have manually activated sprinkler systems
  3. They have special combustion detection devices
  4. They must be closed and locked when unattended
- 2-65. Which of the following devices are used for environmental control of ammunition magazines?
1. Ventilation ducts
  2. Vent check valves
  3. Exhaust vents
  4. All of the above
- 2-66. FH alarms for a magazine indicate which of the following problems?
1. High temperature
  2. Gas detection
  3. Smoke detection
  4. Leakage or activation
- 2-67. Which of the following documents serves as a check sheet for inspecting a magazine?
1. The 3-M manual
  2. A maintenance requirement card
  3. The work-center supervisor's work list
  4. The magazine temperature card
- 2-68. The daily inspection of magazines generally consists of checking for which of the following conditions?
1. Improperly secured stowage
  2. Unusual fumes or odors
  3. Magazine cleanliness
  4. All of the above
- 2-69. Which of the following factors is considered most important in regard to powder stability?
1. Humidity
  2. Stowage
  3. Temperature
  4. Packaging
- 2-70. How many different temperature readings should you expect to see on a bimetallic maximum and minimum thermometer?
1. One
  2. Two
  3. Three
  4. Four
- 2-71. In which of the following locations should an AMMUNITION FAR SIDE sign be installed?
1. On the closest bulkhead to the magazine
  2. At the main entrance to the magazine
  3. Beside all escape hatches in the magazine
  4. In all areas surrounding the magazine
- 2-72. A magazine must be secured and locked at all except which of the following times?
1. During quarters
  2. When the ship is underway
  3. When someone is working in the magazine
  4. During a watch
- 2-73. Which of the following publications contains information about magazine security?
1. OPNAVINST 5530.12
  2. OPNAVINST 5530.13
  3. OPNAVINST 3120.32
  4. OPNAVINST 3120.33
- 2-74. Magazine sprinkler systems are designed to completely flood their designated space.
1. True
  2. False

2-75. Which of the following descriptions identifies a dry-type sprinkler system?

1. The piping from the outlet side of the main sprinkler control valve to the sprinkler heads contains no water in a normal state
2. The piping between the outlet side of the main sprinkler valve and the sprinkler heads is charged with fresh water
3. The piping from the outlet side of the main sprinkler control valve to the sprinkler heads contains water in a normal state
4. The piping between the outlet side of the main sprinkler valve and the sprinkler heads is charged with coolant

